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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/554,533
Filing Date	November 13, 1998
First Named Inventor	Beeley, Nigel Robert Arnold
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	030639.0043.UTL2

Sheet	1	of	5
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MMDDYYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
SL	AA	5,118,666		Habener	06/02/1992	
	AB	5,120,712		Habener	06/09/1992	
	AC	5,424,286		Eng	06/13/1995	
	AD	5,512,549		Chen	04/30/1996	
	AE	5,545,618		Buckley	08/13/1995	
	AF	5,574,008		Johnson	11/12/1996	
	AG	5,686,511		Bobo	11/11/1997	
SL	AH	6,191,102	B1	DiMarchi et al.	02/20/2001	

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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
SL	AI	WO	9011296		Habener	10/04/1990		
	AJ	WO	9111457		Buckley	08/08/1991		
	AK	WO	9318786		Efendic	09/30/1993		
	AL	WO	9325579		Andrews	12/23/1993		
	AM	WO	9805351	A1	Amylin Pharmaceuticals, Inc.	02/12/1998		
	AN	WO	9819698	A1	Eli Lilly and Company	05/14/1998		
	AO	WO	9830231	A1	Amylin Pharmaceuticals, Inc.	07/16/1998		
SL	AP	WO	9907404	A1	Amylin Pharmaceuticals, Inc.	02/18/1999		

Examiner Signature	/Samuel Liu/	Date Considered	07/05/2006
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Sheet	2	of	5
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SL	AQ	ADELHORST, K., et al., "Structure-activity Studies of Glucagon-like Peptide-1 (GLP-1)," <u>J. Biol. Chem.</u> , 269(9):6275-8 (1994)	TECH CENTER 1800/2900
	AR	BARTLETT, et al., "Inhibition of Chymotrypsin by Phosphonate and Phosphoramidate Peptide Analogs," <u>Bioorg. Chem.</u> , 14:356-377 (1986)	
	AS	BHAVSAR, "Inhibition of Gastric Emptying and of Food Intake Appear to Be Independently Controlled in Rodents," <u>Soc. Neurosci. Abst.</u> , 21:460 (188.8)(1995)	
	AT	COHEN, et al., <u>The Pico Tag Method: A Manual of Advanced Techniques for Amino Acid Analysis</u> , pp. 11-52, Millipore Corporation (1989)	
	AU	D'ALESSIO, et al., "Elimination of the Action of Glucagon-like Peptide 1 Causes an Impairment of Glucose Tolerance after Nutrient Ingestion by Healthy Baboons," <u>J. Clin. Invest.</u> , 97:133-38 (1996)	
	AV	EISSELE, et al., "Rat Gastric Somatostatin and Gastrin Release: Interactions of Exendin-4 and Truncated Glucagon-Like Peptide-1 (GLP-1) Amide," <u>Life Sci.</u> , 55:629-34 (1994)	
	AW	ENG, et al., "Isolation and Characterization of Exendin-4, an Exendin-3 Analogue, from <i>Heloderma suspectum</i> Venom," <u>J. Biol. Chem.</u> , 267:7402-05 (1992)	
	AX	ENG, et al., "Purification and Structure of Exendin-3, a New Pancreatic Secretagogue Isolated from <i>Heloderma horridum</i> Venom," <u>J. Biol. Chem.</u> , 265:20259-62 (1990)	
	AY	FEHMANN, et al., "Stable Expression of the Rat GLP-I Receptor in CHO Cells: Activation and Binding Characteristics Utilizing GLP-I(7-36)-Amide, Oxyntomodulin, Exendin-4, and Exendin(9-39)," <u>Peptides</u> , 15(3):453-6 (1994)	
SL	AZ	FERGUSON, et al., "Cell-Surface Anchoring of Proteins Via Glycosylphosphatidylinositol Structures," <u>Annu. Rev. Biochem.</u> , 57:285-320 (1988)	

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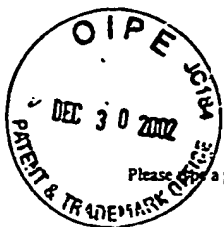
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				Application Number	09/554,533
				Filing Date	November 13, 1998
				First Named Inventor	Beeley, Nigel Robert Arnold
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	3	of	5	Attorney Docket Number	030639.0043.UTL2

SL	BA	GOKE, et al., "Exendin-4 Is a High Potency Agonist and Truncated Exendin-(9-39)-amide an Antagonist at the Glucagon-like Peptide 1-(7-36)-amide Receptor of Insulin-secreting β -Cells," <i>J. Biol. Chem.</i> , 268:19650-55 (1993)	
	BB	GOLDSTONE, et al., "Leptin Interacts with Glucagon-like Peptide-1 Neurons to Reduce Food Intake and Body Weight in Rodents," <i>FEBS Letters</i> , 415:134-138 (1997)	
	BC	HALAAS, J.L., et al., "Weight-Reducing Effects of the Plasma Protein Encoded by the Obese Gene," <i>Science</i> , 269:543-546 (1995)	
	BD	KODAMA, J., et al., "Effect of Captopril on Glucose Concentration Possible Role of Augmented Postprandial Forearm Blood Flow," <i>Diabetes Care</i> , 13(11):1109-1111 (1990)	
	BE	KOLLIGS, et al., "Reduction of the Incretin Effect in Rats by the Glucagon-like Peptide-1 Receptor Antagonist Exendin (9-39) Amide," <i>Diabetes</i> , 44:16-19 (1995)	
	BF	LEIBEL, R.L., et al., "Changes in Energy Expenditure Resulting from Altered Body Weight," <i>New England Journal of Medicine</i> , 332(10):621-628 (1995)	
	BG	LITHELL, et al., "Insulin Sensitivity in Newly Detected Hypertensive Patients: Influence of Captopril and Other Antihypertensive Agents on Insulin Sensitivity and Related Biological Parameters," <i>J. Cardiovasc. Pharmacol.</i> , 15 (Supp 5):S46-S52 (1990)	
	BH	MALHOTRA, et al., "Exendin-4, a New Peptide from <i>Heloderma suspectum</i> Venom, Potentiates Cholecystokinin-induced Amylase Release from Rat Pancreatic Acini," <i>Regulatory Peptides</i> , 41:149-56 (1992)	
	BI	MONTROSE-RAFIZADEH, et al., "Structure-function Analysis of Exendin-4 / GLP-1 Analogs," <i>Diabetes</i> , 45 (Suppl. 2):152A (1996)	
SL	BJ	NAVARRO, M. et al., "Colocalization of Glucagon-Like Peptide-1 (GLP-1) Receptors, Glucose Transporter GLUT-2, and Glucokinase mRNAs in Rat Hypothalamic Cells: Evidence for a Role of GLP-1 Receptor Agonists as an Inhibitory Signal for Food and Water Intake," <i>Journal of Neurochemistry</i> , 67:1982-1991 (1996)	
	BK	O'HALLORAN, et al., "Glucagon-like Peptide-1 (7-36)-NH ₂ : a Physiological	

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Examiner Name	To be assigned
Attorney Docket Number	030639.0043.UTL2

Sheet	4	of	5
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		Inhibitor of Gastric Acid Secretion in Man," <u>J. Endocrinol.</u> , 126(1):169-73 (1990)	
SL	BL	ØRSKOV, et al., "Biological Effects and Metabolic Rates of Glucagonlike Peptide-1 7-36 Amide and Glucagonlike Peptide-1 7-37 in Healthy Subjects Are Indistinguishable," <u>Diabetes</u> , 42:658-61 (1993)	
	BM	PELLEYMOUNTER, et al., "Effects of the Obese Gene Product on Body Weight Regulation in ob/ob Mice," <u>Science</u> , 269:540-543 (1995)	TECH CENTER 1600/2900
	BN	RAUFMAN, et al., "Truncated Glucagon-like Peptide-1 Interacts with Exendin Receptors in Dispersed Acini from Guinea Pig Pancreas," <u>J. Biol. Chem.</u> , 267:21432-37 (1992)	
	BO	RAUFMAN, et al., "Exendin-3, a Novel Peptide from <i>Heloderma horridum</i> Venom, Interacts with Vasoactive Intestinal Peptide Receptors and a Newly Described Receptor on Dispersed Acini from Guinea Pig Pancreas," <u>J. Biol. Chem.</u> , 266:2897-902 (1991)	
	BP	SCHEPP, et al., "Exendin-4 and exendin-(9-39)NH ₂ : Agonist and Antagonist, Respectively, at the Rat Parietal Cell Receptor for Glucagon-like Peptide-1-(7-36)NH ₂ ," <u>Eur. J. Pharm.</u> , 269:183-91 (1994)	
	BQ	SCHJOLDAGER, et al., "GLP-1 (Glucagon-like Peptide 1) and Truncated GLP-1, Fragments of Human Proglucagon, Inhibit Gastric Acid Secretion in Humans," <u>Dig. Dis. Sci.</u> , 34 (5):703-8 (1989)	
	BR	SINGH, et al., "Use of ¹²⁵ I-[Y ³⁹]Exendin-4 to Characterize Exendin Receptors on Dispersed Pancreatic Acini and Gastric Chief Cells from Guinea Pig," <u>Regul. Pept.</u> , 53:47-59 (1994)	
	BS	THORENS, "Expression Cloning of the Pancreatic B Cell Receptor for the Gluco-Incretin Hormone Glucagon-like Peptide 1," <u>Proc. Natl. Acad. Sci. USA</u> , 89:8641-45 (1992)	
	BT	THORENS, et al., "Cloning and Functional Expression of the Human Islet GLP-1 Receptor," <u>Diabetes</u> , 42 (11):1678-82 (1993)	
	BU	TURTON, et al., "A Role for Glucagon-Like Peptide-1 in the Central Regulation of Feeding," <u>Nature</u> , 379:69-72 (1996)	
SL	BV	VEALE, P.R., et al., "The Presence of Islet Amyloid Polypeptide/Calcitonin Gen-Related Peptide/Salmon Calcitonin Binding Sites in the Rat Nucleus	

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		Accumbens," <u>European Journal of Pharmacology</u> , 262:133-141 (1994)	
SL	BW	WANG, et al., "Glucagon-like Peptide-1 Is a Physiological Incretin in Rat," <u>J. Clin. Invest.</u> , 95:417-21 (1995)	
	BX	WATSON, N., et al., "Effects of Captopril on Glucose Tolerance in Elderly Patients with Congestive Cardiac Failure," <u>Current Medical Research and Opinion</u> , 12(6):374-378 (1991)	
	BW	WETTERGREN, et al., "Truncated GLP-1 (Proglucagon 78-107-Amide) Inhibits Gastric and Pancreatic Functions in Man," <u>Dig. Dis. Sci.</u> , 38(4):665-73 (1993)	
	BZ	WILLMS, et al., "Gastric Emptying, Glucose Responses, and Insulin Secretion after a Liquid Test Meal: Effects of Exogenous Glucagon-Like Peptide-1 (GLP-1)-(7-36) Amide in Type 2 (Noninsulin-Dependent) Diabetic Patients," <u>J. Clin. Endocrinol. Metab.</u> , 81(1):327-32 (1996)	
SL	CAZ	YOUNG, et al., <u>Program and Abstracts, 10th International Congress of Endocrinology</u> June 12-15, 1996, San Francisco, p. 419 (P2-58)	

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